

The Swedish Energy Agency Swedish-German Cleantech Platform

February 2021

 Tysk-Svenska Handelskammaren
Deutsch-Schwedische Handelskammer

 Swedish
Energy Agency



Energy targets for Sweden

Sustainability -Three pillars:

Environment



Economy



Socially



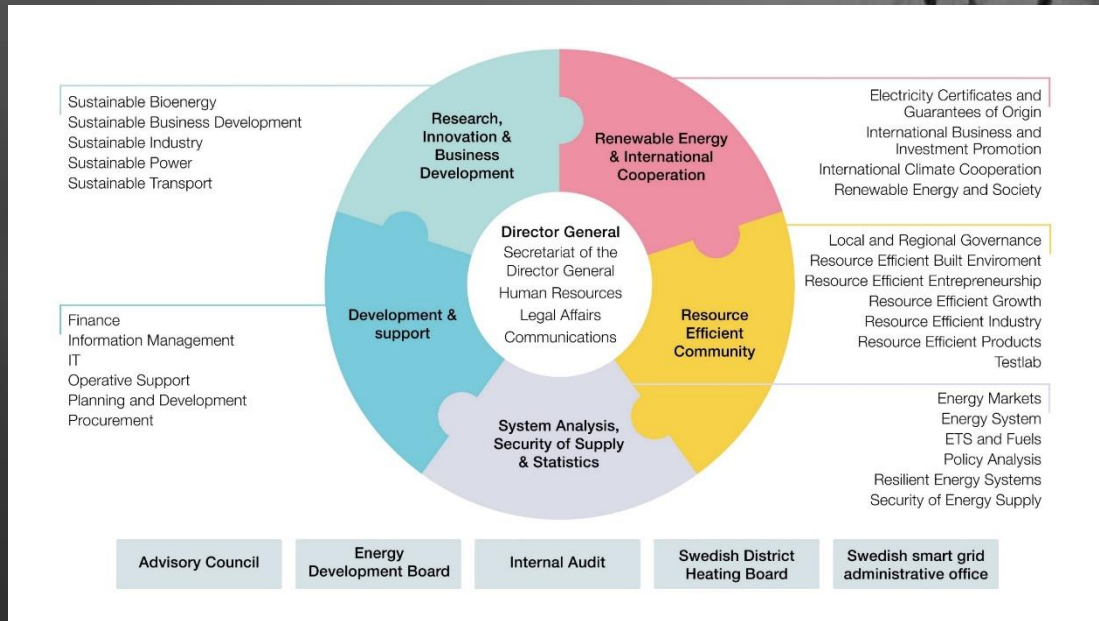
Ecology

Competitiveness

Security of supply

- No net emissions of greenhouse gases to 2045
- 70 per cent less emissions from transports 2030 compared with 2010
- 100 per cent renewable electricity to 2040
- 50 per cent more efficient use of energy in 2030, compared with 2005

- Roles - steering, supporting, expert
- Sweden's largest research financier in the area of green energy. Annual budget approx.150 million €, doubled through industrial co-funding
- Supporting innovations in cleantech – from research to internationalisation
- Start up portfolio of 200 companies, in addition to the mature SME:s we support
- Spreading innovations worldwide – incl. accelerator program for SMEs in Germany



The Swedish Energy Agency – working for a sustainable energy system



Innovation-driven business sector



Klarna

iZettle



King

ABB

Atlas Copco



SKANSKA

TELE2

AGA



SKF

Nordea

SEB



TeliaSonera



GAMBRO

metro



MOJANG



ASSA ABLOY



Handelsbanken

NASDAQ OMX

SCANIA

SSAB

VATTENFALL

AstraZeneca



H&M

Spotify



SWEDISH MATCH

VOLVO

Support crucial to Northvolt's rapid establishment

Implementer: Northvolt AB

Co-financiers: European Investment Bank EIB

Website: www.northvolt.com

Support from the Swedish Energy Agency: Funding for research/pilot and demo

Contributes to: The goal of net zero greenhouse gas emissions by 2045

Important results

- ✓ The Funding for research has led to the new establishment of a successful company in a market where European companies have in principle been virtually invisible.
- ✓ The support has facilitated the recruitment of key personnel and people with high competency from throughout the world.
- ✓ Large-scale recycling of lithium-ion batteries is established in Europe.



Great potential to reduce emissions with electric roads

Implementer: Swedish Transport Administration and the consortia behind the Electric Road E16 and eRoadArlanda programmes.

Co-financiers: Swedish Transport Administration, Swedish Energy Agency, Vinnova and Swedish industry stakeholders.

Website: www.eroadarlanda.se, www.regiongavleborg.se

Support from the Swedish Energy Agency: Funding for research/pilot and demo

Contributes to: The goal of net zero greenhouse gas emissions by 2045

Important results

- ✓ Increased understanding of the requirements that the development will impose on vehicles, electricity networks and the law
- ✓ Electric roads work in real traffic
- ✓ If 5 per cent of the state road network in Sweden was electrified, it would have the potential to halve the fossil emissions from heavy goods vehicles.



200

Companies in the SEA start-up portfolio. Total Govt investment 90 M Euro

18.5

145 innovations has the potential to save more than 18,5 times the total of Sweden's GHG emissions

19.4

Billions is the total stock exchange value of the top 23 of these companies.

Sweden accounts for 0.1 percent of the global greenhouse gas emissions. But we intend to contribute to a much larger part of the climate solutions.

PARANS



bright



Swedish-German
Cleantech Platform



ferroamp

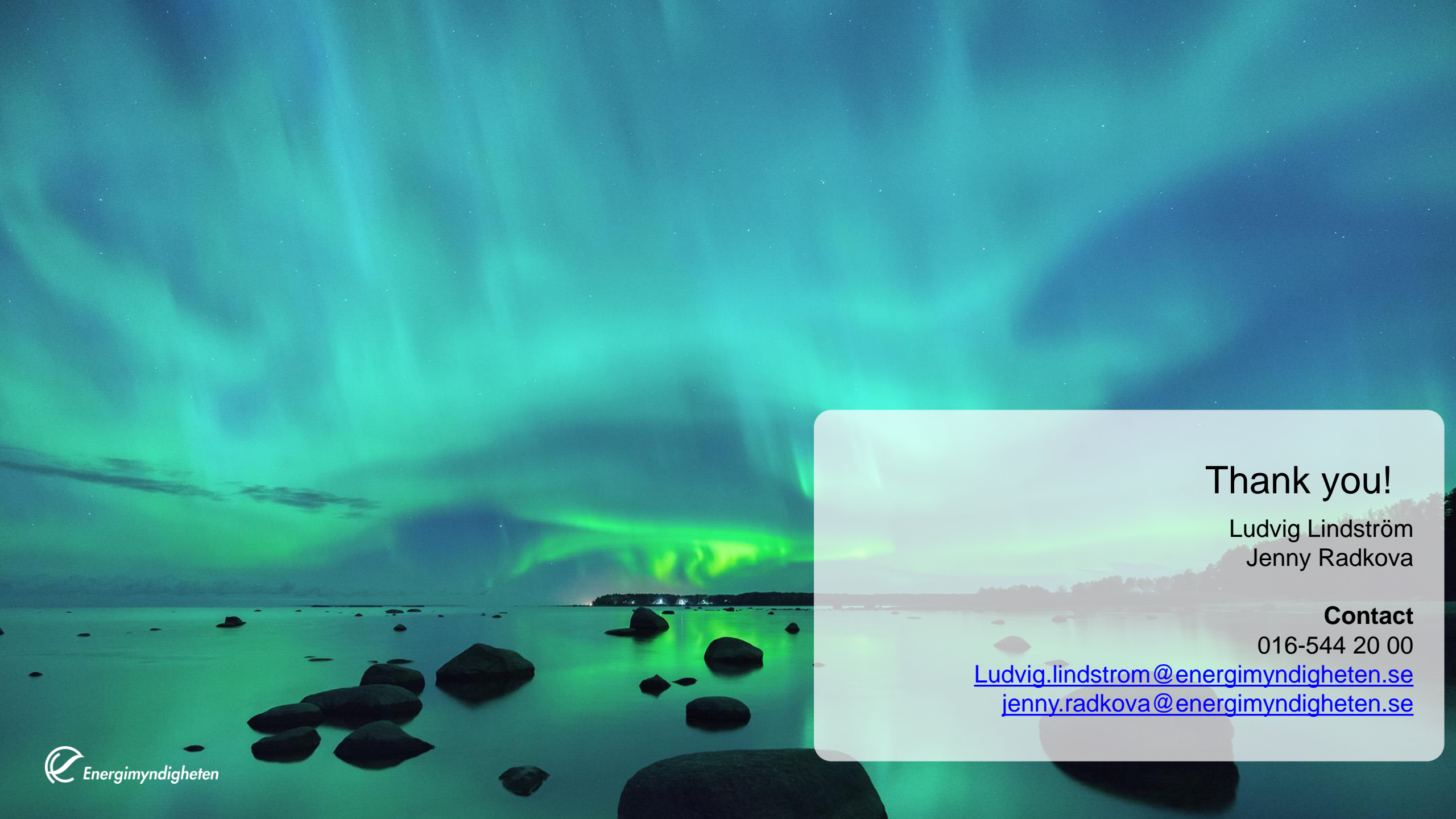


WOSH

ENJAY

ALTERED:[™]



A photograph of the Aurora Borealis (Northern Lights) over a calm lake at night. The sky is filled with vibrant green and blue light streaks. The water is dark, reflecting the lights, and several large, dark rocks are scattered in the foreground. In the distance, a small town with lights is visible on the horizon.

Thank you!

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